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Date of Deposit

Gustavo Siller, Jr., Reg. No. 32,305

Name of Applicant, Assignee or  
Registered Representative

[Signature]  
Signature

Our File No. 9281-4739

### IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Application of: )  
)  
Masaru Shikata et al. )  
)  
Serial No. 10/753,114 )  
)  
Filing Date: January 7, 2004 )  
)  
For Dual Band Antenna with Increased )  
Sensitivity in a Horizontal Direction )

### SUPPLEMENTAL INFORMATION DISCLOSURE STATEMENT

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Dear Sir:

Pursuant to the obligation under 37 C.F.R. 1.56 and in conformance with 37 C.F.R. 1.97-1.99, Applicants hereby submit references B1 – B5 listed on the attached form PTO-1449 for consideration by the Examiner. Copies of the references are enclosed herewith.

Also enclosed is a copy of the European Search Report issued on March 22, 2004 for the corresponding European Patent Application No. 04 000 267.7 of the above-identified application. Applicants' attorney hereby states that each item of information contained in the Supplemental Information Disclosure Statement was cited in a communication from a foreign patent office in a counterpart application and that this

communication was not received by any individual designated in §1.56 more than 30 days prior to the filing of the Supplemental Information Disclosure Statement.

The filing of this Supplemental Information Disclosure Statement does not constitute an admission that the information cited herein is, or is considered to be, material to patentability as defined in 37 C.F.R. Section 1.56(b). Further, Applicants reserve the right to contest these references as prior art against the present application, and Applicants do not believe that the disclosure of these references, even if finally determined to be prior art, anticipates Applicants' invention or that these references make Applicants' invention obvious.

No fees are believed to be due in connection with filing of this Supplemental Information Disclosure Statement, however, should any fees under 37 C.F.R. §§ 1.16 to 1.21 be deemed necessary for any reason relating to this material, the Commissioner is hereby authorized to deduct said fees from Brinks Hofer Gilson & Lione Deposit Account No. 23-1925.

Applicants respectfully request that the Examiner review the entire disclosure of these documents and make them of record.

Respectfully submitted,



Gustavo Siller, Jr.  
Registration No. 32,305  
Attorney for Applicants

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APR 23 2004  
PATENT & TRADEMARK OFFICE

| TRANSMITTAL LETTER   |                                |                            | Case No. 9281-4739               |
|--|--------------------------------|----------------------------|----------------------------------|
| Serial No.<br>10/753,114   | Filing Date<br>January 7, 2004 | Examiner<br>To Be Assigned | Group Art Unit<br>To Be Assigned |
| Inventors<br>Masaru Shikata et al.   |                                |                            |                                  |
| Title of Invention<br>Dual Band Antenna with Increased Sensitivity in a Horizontal Direction |                                |                            |                                  |

TO THE COMMISSIONER FOR PATENTS

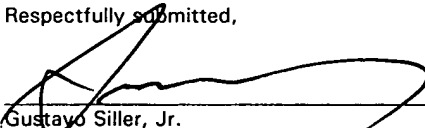
Transmitted herewith are Supplemental Information Disclosure Statement; PTO-1449; copies of references B1-B5; European Search Report for corresponding European Patent Application No. 04 000 267.7; white postcard evidencing receipt of same.

- ☐ Small entity status of this application under 37 CFR § 1.27 has been established by verified statement previously submitted.
- ☐ Applicant claims small entity status. See 37 CFR 1.27.
- ☐ Petition for a \_\_\_\_\_ month extension of time.
- ☒ No additional fee is required.
- ☐ The fee has been calculated as shown below:

|   |                                  |       |                                 | Small Entity  |           | or        | Other Than Small Entity |           |
|---|----------------------------------|-------|---------------------------------|---------------|-----------|-----------|-------------------------|-----------|
|   | Claims Remaining After Amendment |       | Highest No. Previously Paid For | Present Extra | Rate      | Add'l Fee | Rate                    | Add'l Fee |
| Total                                     |                                  | Minus |                                 |               | x \$9 =   |           | x \$18 =                |           |
| Indep.                                    |                                  | Minus |                                 |               | x 43 =    |           | x \$86 =                |           |
| First Presentation of Multiple Dep. Claim |                                  |       |                                 |               | + \$145 = |           | + \$290 =               |           |
| Total add'l fee                           |                                  |       |                                 |               | \$        |           | Total add'l fee \$0     |           |

- ☐ Please charge Deposit Account No. 23-1925 (BRINKS HOFER GILSON & LIONE) in the amount of \$\_\_\_\_\_. A duplicate copy of this sheet is enclosed.
- ☐ A check in the amount of \$\_\_\_\_\_ to cover the filing fee is enclosed.
- ☒ The Commissioner is hereby authorized to charge payment of any additional filing fees required under 37 CFR § 1.16 and any patent application processing fees under 37 CFR § 1.17 associated with this communication or credit any overpayment to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.
- ☒ I hereby petition under 37 CFR § 1.136(a) for any extension of time required to ensure that this paper is timely filed. Please charge any associated fees which have not otherwise been paid to Deposit Account No. 23-1925. A duplicate copy of this sheet is enclosed.

Respectfully submitted,

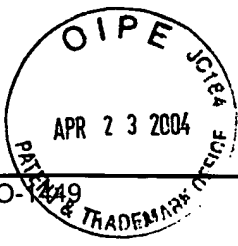
  
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Date: 4/21/04

Signature: 



|   |                 |                |
|---|-----------------|----------------|
| FORM PTO-1449<br>LIST OF PATENTS AND PUBLICATIONS FOR<br>APPLICANT'S INFORMATION DISCLOSURE<br>STATEMENT<br>(use several sheets if necessary) | SERIAL NO.      | CASE NO.       |
|   | 10/753,114      | 9281-4739      |
|   | FILING DATE     | GROUP ART UNIT |
|   | January 7, 2004 | To Be Assigned |
| APPLICANTS: Masaru Shikata et al.   |                 |                |

**REFERENCE DESIGNATION U.S. PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE    | NAME             | CLASS/<br>SUBCLASS | FILING<br>DATE |
|---------------------|----|--------------------|---------|------------------|--------------------|----------------|
|                     | B1 | 2002-01498523 A1   | 10/2002 | Fang et al.      |                    |                |
|                     | B2 | 5,880,697          | 03/1999 | McCarrick et al. |                    |                |
|                     |    |                    |         |                  |                    |                |
|                     |    |                    |         |                  |                    |                |
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|                     |    |                    |         |                  |                    |                |
|                     |    |                    |         |                  |                    |                |

**FOREIGN PATENT DOCUMENTS**

| EXAMINER<br>INITIAL |    | DOCUMENT<br>NUMBER | DATE    | COUNTRY | CLASS/<br>SUBCLASS | TRANSLATION<br>YES | NO |
|---------------------|----|--------------------|---------|---------|--------------------|--------------------|----|
|                     | B3 | DE 23 60 216 A1    | 06/1975 | Germany |                    |                    | X  |
|                     | B4 | JP 590828          | 04/1993 | Japan   |                    | X<br>(Abstract)    |    |
|                     | B5 | DE 201 06 005 U1   | 10/2001 | Germany |                    |                    | X  |
|                     |    |                    |         |         |                    |                    |    |
|                     |    |                    |         |         |                    |                    |    |

| EXAMINER<br>INITIAL | OTHER ART (Including Author, Title, Date, Pertinent Pages, etc.) |
|---------------------|--|
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|          |                 |
|----------|-----------------|
| EXAMINER | DATE CONSIDERED |
|----------|-----------------|

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.